| Index of Claims   | Application No. | Applicant(s) |  |  |  |  |  |  |
|---|-----------------|--------------|--|--|--|--|--|--|
| # 10 B ( B )   11 B ( )   B ( )   B ( )   B ( )   B ( )   B ( )   B ( )   B ( )   B ( )   B ( ) | 10/622,278      | NAM ET AL.   |  |  |  |  |  |  |
|   | Examiner        | Art Unit     |  |  |  |  |  |  |
|   | David Lam       | 2827         |  |  |  |  |  |  |

| <b>√</b> | Rejected | _ | (Through numeral)<br>Cancelled | ľ | J | Non-Elected  | A | Appeal   |
|----------|----------|---|--------------------------------|---|---|--------------|---|----------|
| =        | Allowed  | + | Restricted                     | l | ١ | Interference | o | Objected |

| Cla         | aim      |                |   |          |  | Date   | е  |              | _        |          | Cla          | im           |                 |          |          | D        | ate      |          |          |   | ] | Cl          | aim        |              |                     |          | [        | Date     | е        |          |          |               |
|-------------|----------|----------------|---|----------|--|--|--|--------------|----------|----------|--------------|--------------|-----------------|----------|----------|----------|----------|----------|----------|---|---|-------------|------------|--------------|---------------------|----------|----------|----------|----------|----------|----------|---------------|
| _           | <u></u>  | l <sub>s</sub> |   |          |  | İ  |  |              |          |          |              | <del>-</del> |                 |          |          |          |          |          |          |   | l | _           | <u>=</u>   |              |                     |          |          |          |          |          |          | 1 1           |
| Final       | Original | 4/30/05        |   |          | 1  |  |  |              |          |          | Final        | Original     | ΙI              |          | - 1      |          |          |          |          |   |   | Final       | Original   |              | 1                   |          |          |          |          |          |          |               |
| ίΞ          | ريّز ا   | \$             |   |          |  | ļ  |  |              |          |          | ΙÏ           | Ç            |                 |          | - 1      |          |          |          |          |   | ı | ΙŒ          | Öriç       |              | 1                   |          |          |          |          |          |          |               |
|             | Ŭ        |                |   |          | <u> </u>   | <u> </u>   |  | <u></u>      |          |          |              |              | Ш               |          | $\Box$   | $\perp$  | _        | _        |          | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | 1 |             |            |              | Ш                   |          |          |          |          |          |          |               |
|             | 1        | >              | $ldsymbol{ld}}}}}}$ |          | <u> </u>   | <u> </u>   |  | _            | Ш        |          | $oxed{oxed}$ | 51           | Ш               |          |          |          | $\dashv$ |          |          | $\perp$   | ] | L           | 101        |              | Ш                   | _        |          |          |          |          |          |               |
|             | 2        | ٧              | $oxed{oxed}$  |          | <u> </u>   | L  |  |              | Щ        |          | $oxed{oxed}$ | 52           | Ш               |          | $\perp$  |          |          | $\perp$  |          |   | ] |             | 102        | L            | Ш                   |          |          |          |          |          |          |               |
|             | 3        | 0              |   |          | <u> </u>   | L  |  | _            |          | _        |              | 53           | Ш               |          | _        | _        | _        | _        |          |   | 1 |             | 103        |              | $\sqcup$            | _        |          |          |          |          |          | Ш             |
|             | 4        | 1              |   |          | <u> </u>   | 乚  | $oxed{oxed}$                                     | L            | Ш        |          |              | 54           |                 |          |          | _        | _        |          |          | $\perp$   | Ţ |             | 104        | L            | Ш                   |          |          |          |          |          |          | Ш             |
|             | 5        | Щ              |   |          | L  | L  |  | L            | Ш        | $\Box$   |              | 55           | Ш               |          | _        | _        | _        |          | _        |   | 1 |             | 105        |              | Ш                   |          |          |          |          |          |          | Ш             |
|             | 6        | Щ              | Ш   |          | Ļ.   | ┖  | L  | _            | Щ        | _        |              | 56           | Ш               | _        | _        | 4        | 4        | 4        | _        |   | 1 |             | 106        |              | Ш                   | _        |          |          |          |          |          | Ш             |
|             | 7        | Щ              | Ш   |          | L  | _  | _  | _            | Ш        |          |              | 57           | Ш               | _        | 4        | 4        | 4        | _        | _        | 4-  | 1 |             | 107        |              | $\sqcup \downarrow$ | _        |          |          |          |          |          | Щ             |
| <u> </u>    | 8        | Ш              | Ш   |          | _  |  | <u> </u>   | _            | <b> </b> |          |              | 58           |                 | _        |          | _        | _        | _        | -        |   |   |             | 108        |              | $\sqcup$            | _        |          |          |          | _        |          | Щ             |
| <u> </u>    | 9        | Щ              |   |          |  | _  |  |              | Ш        |          |              | 59           | $\sqcup$        | $\dashv$ | _        |          | _        | _        | 4        | 4   | Į | L           | 109        | _            | $\sqcup$            | _        |          | _        | _        |          |          | Щ             |
|             | 10       | Щ              |   | _        | ļ.,  | <u> </u>   | _  | _            | Ш        | _        |              | 60           | Ш               | 4        | 4        | 4        | $\dashv$ | _        | 4        | 4_  | - |             | 110        | _            | $\sqcup$            |          |          |          |          | _        |          | $\square$     |
| <u> </u>    | 11       | 1              | Ш   | _        | <del> </del>                                     | <u> </u>   |  | <u> </u>     |          |          |              | 61           | $\sqcup$        | $\dashv$ | _        | $\dashv$ | _        | _        | $\perp$  | +   | 4 | $\vdash$    | 111        | <u> </u>     | $\sqcup$            | _        |          |          | _        | _        |          | Щ             |
|             | 12       | H              | Ш   |          | ـــ  | <u> </u>   | <u> </u>   | <u> </u>     | $\vdash$ |          | <u> </u>     | 62           | $\sqcup$        | $\dashv$ | _        |          | $\dashv$ | _        | 4        | -   | 4 | <u> </u>    | 112        | <u> </u>     | $\sqcup$            | _        |          |          | <u> </u> |          | _        | Щ             |
| <u> </u>    | 13       | Н-             | <u> </u>  |          | ├—   | <del> </del>                                     | -  | <del> </del> | Н        | _        | <u> </u>     | 63           | $\vdash$        | _        |          |          | -        | - -      | -        | +   | 1 | <b></b>     | 113        | <u> </u>     | $\vdash \vdash$     | _        |          |          | $\vdash$ | -        | _        | Щ             |
|             | 14       | ĻĻ             |   |          |  | <del> </del> _                                   | <b>-</b>   | <u> </u>     | $\vdash$ | _        | <u> </u>     | 64           | $\vdash$        | _        | 4        | 4        | _        | _        | _        |   | 4 | ļ           | 114        |              |                     | _        |          | <u> </u> |          |          | _        | $\vdash$      |
|             | 15       | Ò              | -   |          | ├-   | ļ  | -  | <u> </u>     | -        | _        |              | 65           | $\vdash$        |          | _        | -        | 4        | _        | 4        | -   | ⇃ |             | 115        |              | $\sqcup$            |          |          |          |          | $\vdash$ |          | $\dashv$      |
|             | 16       | 4              | $\vdash$  |          | <del> </del>                                     | <del> </del>                                     |  | -            | Ш        | _        | <u> </u>     | 66           |                 | $\dashv$ | _        | $\dashv$ | $\dashv$ | +        | +        | -   | - | <u> </u>    | 116        |              | $\vdash$            | _        |          | _        | _        | _        | _        | $\dashv$      |
|             | 17       | H              |   |          | -  | <u> </u>   | -  | <u> </u>     | L        |          |              | 67           |                 | -        | -        | -        | -        |          | +        |   | 4 |             | 117        | _            | $\vdash$            | _        |          |          |          |          |          | $\dashv$      |
|             | 18       | Н-             | <u> </u>  |          | ļ  |  | -  | _            | <u> </u> |          |              | 68           |                 |          | -        | -        |          | _        | +        |   | - |             | 118        | _            | $\vdash$            | _        |          |          | _        | _        | _        |               |
|             | 19       | H              | Н   |          | ļ  | <u> </u>   | -  | ┞            | Н        |          | <u> </u>     | 69           |                 |          | $\dashv$ | -        | -        | -        |          |   | 4 |             | 119        | <u> </u>     | $\vdash \vdash$     |          | _        | _        | _        | _        |          | <b></b>       |
| <b></b>     | 20       | Н-             | Н   |          | ├-   | <u> </u>   | H  | _            | Н        | _        |              | 70           | $\vdash$        |          |          | -        | $\dashv$ | +        | +        | +-  | ┨ | <u> </u>    | 120        | _            | Н                   | _        | _        | _        | _        | _        | _        | $\dashv$      |
|             | 21       | Н-             | Н   | _        | ⊬  | ⊢  | -  | <u> </u>     | Ш        | _        |              | 71           | $\vdash$        | -        | -        | -        | $\dashv$ | 4        | +        | 4   | 4 |             | 121        | _            | $\vdash$            |          | _        |          | _        | _        |          | Ш             |
| <u> </u>    | 22       | Н-             | Н   |          | <u> </u>   | <u> </u>   |  | ⊢            | Н        | _        |              | 72           | $\vdash$        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | _        | +        | -   | 4 | <u> </u>    | 122        | _            | $\vdash \vdash$     |          |          |          | _        | _        |          |               |
|             | 23       | Щ              | Н   |          | <u> </u>   | <u> </u>   |  | <u> </u>     | Н        |          |              | 73           | $\vdash$        | $\dashv$ | -        | 4        | 4        | _        | 4        | _   | ┨ |             | 123        | _            | $\vdash \vdash$     | _        |          |          | _        | _        |          |               |
|             | 24       | H              | Н   |          | ┢╌   | H  |  | ⊢            | Н        | -        |              | 74           | Н               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +   | ┨ | <u> </u>    | 124        | _            | $\vdash$            | -        |          |          | _        |          |          | Н             |
| <u> </u>    | 25       | ╫              | Н   | _        | -  | ├  | -  | <u> </u>     | Н        | _        | _            | 75           | $\vdash$        | -        | -        | +        | $\dashv$ | +        | +        | - -   | - | -           | 125        | _            | $\vdash$            | -        |          | $\perp$  | _        |          | _        | $\dashv$      |
|             | 26       | Н              | Н   |          | -  | -  | $\vdash$   | <u> </u>     | Н        |          |              | 76<br>77     | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | +        | +        |   | - |             | 126<br>127 | _            | $\vdash$            | -        | $\vdash$ | $\vdash$ | _        | _        | _        | $\dashv$      |
|             | 27       | <del>-</del>   | -   |          | ├—   | ⊢  | -  | -            | $\vdash$ | -        |              | 78           |                 | $\dashv$ | -        | -        | -        | +        | +        | ┿   | - |             |            | <del> </del> | -                   |          | _        |          |          | -        | _        | $\dashv$      |
|             | 28<br>29 | v              | -   |          |  | -  | -  | -            | Н        | -        |              | 79           | $\vdash$        |          | $\dashv$ | $\dashv$ | -        | +        | +        | -   | 1 | <del></del> | 128<br>129 | ┝            | $\vdash$            | -        | _        |          | _        |          |          | $\dashv$      |
|             | 30       | <u> </u>       | Н   | _        | ┝  |  | -  | -            | Н        |          |              | 80           | $\vdash$        | $\dashv$ | $\dashv$ | ⇥        | -+       | +        | +        | +-  | ┨ | -           | 130        | -            | ⊢                   | -        | _        | _        | $\vdash$ | -        | -        | $\overline{}$ |
| <u> </u>    | 31       |                |   |          | <del>                                     </del> | -  | ├  | -            | Н        |          | $\vdash$     | 81           | -               |          | -        | -+       | $\dashv$ |          | +        | +   | ┨ | $\vdash$    | 131        | $\vdash$     | ╌╂                  | -        |          | -        |          | -        | _        | $\dashv$      |
| $\vdash$    | 32       |                | Н   |          | $\vdash$   |  | -  | $\vdash$     | $\vdash$ | -        | $\vdash$     | 82           | $\vdash$        | $\dashv$ |          | $\dashv$ | $\dashv$ | +        | +        | +   | ┨ | $\vdash$    | 132        | $\vdash$     | $\vdash \vdash$     | $\dashv$ | -        |          |          |          | -        | $\dashv$      |
| <u> </u>    | 33       | <del> </del>   | H   |          | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ | -        | $\vdash$     | 83           | H               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +   | 1 | $\vdash$    | 133        | $\vdash$     | $\vdash \vdash$     | $\dashv$ | -        | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$      |
| $\vdash$    | 34       | $\vdash$       | Н   |          | <del>                                     </del> | ╁  | $\vdash$   | $\vdash$     | $\vdash$ | -        | $\vdash$     | 84           | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +-  | 1 |             | 134        | <del> </del> | $\vdash$            | -        | -        | $\vdash$ | $\vdash$ | $\dashv$ | -        | $\dashv$      |
| <u> </u>    | 35       |                | Н   | _        | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | ᅱ        | <b></b>      | 85           | -               | $\dashv$ | -+       | ┰        | +        | $\dashv$ | +        | +-  | 1 |             | 135        | -            | $\vdash$            | -        |          |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$      |
| <del></del> | 36       |                | Н   |          | <del>                                     </del> | <del> </del>                                     | -  | -            | $\vdash$ |          | <del></del>  | 86           | $\vdash \vdash$ |          | -+       | $\dashv$ | $\dashv$ | +        | +        | +   | 1 | <del></del> | 136        | $\vdash$     |                     | -        |          | $\vdash$ | $\vdash$ | -        |          | $\vdash$      |
| $\vdash$    | 37       | $\vdash$       | H   |          | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | H        | -        | $\vdash$     | 87           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +   | 1 | $\vdash$    | 137        | $\vdash$     | $\vdash$            | $\neg$   |          | $\vdash$ | $\vdash$ | -        |          | $\neg$        |
| _           | 38       | <del> </del>   | Н   | _        | $\vdash$   | -  | $\vdash$   | $\vdash$     | $\vdash$ | $\dashv$ |              | 88           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        | +   | 1 | $\vdash$    | 138        | $\vdash$     | $\vdash$            |          |          | $\vdash$ | $\vdash$ | -        | -        | $\dashv$      |
|             | 39       | _              | Н   | _        | 1  | 一  | _  | ┢            |          | -        |              | 89           |                 | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +        | +-  | 1 | <u> </u>    | 139        |              | $\vdash$            | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$ | $\dashv$ | -        | $\dashv$      |
| $\vdash$    | 40       | $\vdash$       | Н   | _        | $\vdash$   | _  |  | $\vdash$     | H        | $\neg$   | $\vdash$     | 90           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +-  | 1 | <b>—</b>    | 140        | $\vdash$     | -                   |          | $\dashv$ | $\dashv$ | Н        | $\dashv$ | -        | $\neg$        |
|             | 41       | $\vdash$       | H   |          | H  |  | $\vdash$   | $\vdash$     | H        | $\neg$   | $\vdash$     | 91           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | +-  | 1 | <u> </u>    | 141        | $\vdash$     | $\vdash$            | $\dashv$ |          |          | $\vdash$ | $\dashv$ | -        | $\dashv$      |
| -           | 42       | H              | H   |          | H  | $\vdash$   | $\vdash$   | $\vdash$     | H        |          |              | 92           | ++              | _        | $\dashv$ | -        | $\dashv$ | +        | +        | +   | 1 | $\vdash$    | 142        | <del> </del> | $\vdash$            |          |          | $\dashv$ | $\vdash$ | $\dashv$ |          | $\exists$     |
| _           | 43       |                | Н   | _        | T  | $\vdash$   | <b>-</b>   | <u> </u>     | Н        | $\neg$   |              | 93           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | _        | +        | +        | +   | 1 |             | 143        |              | $\vdash$            |          | $\vdash$ | $\vdash$ | Н        | $\dashv$ | -        | $\dashv$      |
| <u> </u>    | 44       | _              | H   |          | <del>                                     </del> | $\vdash$   |  | Г            | Н        |          |              | 94           | $\Box$          | $\dashv$ |          | $\dashv$ | +        | 十        | +        | +   | 1 |             | 144        | $\vdash$     |                     |          |          | Н        |          | $\dashv$ | -        | $\dashv$      |
| $\vdash$    | 45       | -              | Н   | _        | T  | <del>                                     </del> |  |              | Н        | $\dashv$ | $\vdash$     | 95           | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | 十        | +        | +        | +   | 1 | $\vdash$    | 145        |              | $\vdash$            |          | $\vdash$ | $\vdash$ | Н        | $\dashv$ | $\neg$   | $\dashv$      |
|             | 46       |                | Н   |          | $\vdash$   |  | Н  | Т            | Н        | $\dashv$ | $\vdash$     | 96           | $\vdash$        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | +        | +        |   | 1 | $\vdash$    | 146        | _            | $\vdash$            |          | H        | $\dashv$ | Н        | $\dashv$ |          | $\dashv$      |
| $\vdash$    | 47       | -              | Н   | _        | t  | 1  |  |              | $\vdash$ |          | _            | 97           | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | _        | +        | +        | +   | 1 | <b></b>     | 147        | $\vdash$     | $\vdash$            |          | $\vdash$ | Н        |          | ᅥ        | _        | $\dashv$      |
| -           | 48       | -              | $\vdash$  | _        | <del>                                     </del> |  |  | $\vdash$     | H        | $\neg$   |              | 98           | H               |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        | $\top$  | 1 |             | 148        | $\vdash$     |                     | _        |          | $\vdash$ |          | $\neg$   |          | $\neg$        |
|             | 49       | Ι              | П   |          | T  |  | Г  | Т            | Н        |          |              | 99           | П               |          | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\top$  | 1 |             | 149        | $\vdash$     | $\vdash$            | _        |          | П        | П        | $\neg$   | _        | $\dashv$      |
|             | 50       |                | П   | _        | T  |  | Г  | Г            | М        |          |              | 100          | ↾┪              | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\top$   | $\top$   | $\top$  | 1 |             | 150        |              | $\Box$              |          |          |          |          |          |          | $\dashv$      |
|             |          | _              | ╙   | <u> </u> | _  | ٠  |  |              |          |          |              | . 55         |                 |          |          |          |          | L_       |          |   | 1 |             |            | 1            |                     |          |          |          |          | 1        |          |               |